$$HO_2 + OH \rightarrow H_2O + O_2 \quad (2)$$

1.0 1.5 2.0 2.5 3.0 3.5 Density (10⁷ cm⁻³)

Without simultaneous observations of OH and HO_2 , it is difficult to attribute the a ancies to $HO_{\rm x}$ loss, production, or partitioning.

emma Revisited

S zonal mean selected to match A range of MAHRSI (SZA=32°-

Above 45 km , MLS and MAHRSI 2σ uncoverlap.

MLS MAHRSI

However at the 70 km neak MAHRSLis